

Errata Sheet for  
Tentative Order No. R9-2006-0054  
NPDES CA0107417

Waste Discharge Requirements  
For the South Orange County Wastewater Authority  
Discharge to the Pacific Ocean via the  
San Juan Creek Ocean Outfall

1. Page 1, Table 3:

The effective date has been changed to October 1, 2006.

2. Page 1, Table 3;

page 22, Provisions, Section VI.A.2.g;

page E-16, Receiving Water Monitoring Requirements, Section VI.B.2;

page E-17, Receiving Water Monitoring Requirements, Section VI.C.2;

page E-17, Receiving Water Monitoring Requirements, Section VI.D;

page E-19, Receiving Water Monitoring Requirements, Section VI.E:

The date August 1, 2011 has been replaced by October 1, 2011.

3. Page 5, Findings, Section II.B:

The following sentence was added to the end of paragraph 2 of Section II.B, page 5:

The existing dry-weather nuisance discharges are treated at the municipal wastewater treatment plants before being discharged to the ocean outfall.

4. Page 25, Special Provisions, Section 2.b.1.b), Section 2.b.2.b), and Section 2.b.3.b):

The last sentence of each section was modified as follows:

The Discharger shall submit the written report using the Sanitary Sewer Overflow Report Form (June 13, 2001) provided under Regional Water Board Order No. 96-04 or a similar form that provides the same information.

5. Page 32, Compliance Determination and Enforcement Provisions, Section VII.C: The first sentence of this section has been modified as follows:

The discharger shall determine the daily effluent value (DEV) for a given parameter from the results of a flow-weighted 24-hour composite sample collected during a calendar day (12:00 am through 11:59 pm) or any continuous 24-hour period that ~~ends on and~~ reasonably represents a given calendar day for purposes of sampling. The 24-hour periods shall not vary from day to day and shall not overlap.

Modifications to the Monitoring and Reporting Program:

6. Page E-11, Table 5 has been modified as follows:

**Table 5. Brine Discharge Effluent Monitoring**

Parameter	Units	Sample Type	Minimum Sampling Frequency
Flow <sup>1</sup>	MGD	Recorder / Totalizer	Continuous
TSS	mg/L	24 Hr Composite	<del>Weekly, Monthly</del>
<u>Turbidity</u>	<u>NTU</u>	<u>24 Hr Composite</u>	<u>Monthly</u>
pH	<del>mg/L-pH</del> units	Grab	<del>Weekly, Monthly</del>
Oil and Grease	mg/L	Grab	<del>Weekly, Monthly</del>
Settleable Solids	ml/L	Grab	<del>Weekly, Monthly</del>

<sup>1</sup> Report the total daily effluent flow and the monthly average effluent flow.

7. Page E-11, Table 6 has been modified as follows:

**Table 6. Treated Nuisance Discharge Effluent Monitoring**

Parameter	Units	Sample Type	Minimum Sampling Frequency
Flow <sup>1</sup>	MGD	Recorder / Totalizer	Continuous
TSS	mg/L	24 Hr Composite	<del>Weekly, Monthly</del>
<u>Turbidity</u>	<u>NTU</u>	<u>24 Hr Composite</u>	<u>Monthly</u>
pH	<del>mg/L-pH</del> units	Grab	<del>Weekly, Monthly</del>
Oil and Grease	mg/L	Grab	<del>Weekly, Monthly</del>
Settleable Solids	ml/L	Grab	<del>Weekly, Monthly</del>

<sup>1</sup> Report the total daily effluent flow and the monthly average effluent flow.

8. Page E-15, Receiving Water Monitoring Requirements Section VI.A:

The following has been added as Section VI.A. 5:

In the event of stormy weather which makes sampling hazardous at certain surf zone stations, collection of samples at such stations can be omitted, provided that such omissions do not occur more than 5 days in any calendar year or occur at consecutive sampling times. The observations listed in (2) above shall still be recorded and reported to the Regional Board for these stations at the time the sample was attempted to be collected.

9. Page E-17, Receiving Water Monitoring Requirements, Section VI.D.2:

This section has been modified as follows:

Infauna. Unless authorized by the Regional Board to use an alternative method, samples shall be collected with a Paterson, Smith-McIntyre, or orange-peel type dredge, having an open sampling area of not less than 124 square inches and a sediment capacity of not less than 210 cubic inches. The sediment shall be sifted through a 1-millimeter mesh screen and all organisms shall be identified to as low a taxon as possible.

Modifications to the Fact Sheet:

10. Page F-4, Permit Information Section I.B:  
The following sentence is added to the end of Section I.B:  
  
The existing dry-weather nuisance discharges are treated at the municipal wastewater treatment plants before being discharged to the ocean outfall.
11. Page F-5, Facility Description, Section II.A:  
The third paragraph of Section IIA (or first paragraph of page F-5) has been modified as followings:  
  
Dewatered biosolids are hauled to a sanitary landfill for disposal or composted by a contractor for reuse.
12. Page F-10, Facility Description, Section II.C:  
The beginning of the second paragraph of Section II.C was modified as followings:  
  
The effluent discharged through the Ocean Outfall has exceeded the ~~flow effluent limitation~~ average dry weather flow limit on 13 occasions during the period February 2001 through February 2006. Based on Flow sample results, the maximum ~~flow effluent limitation~~ average dry weather flow was exceeded during the wet weather on . . .
13. Page F-17, Other Plans, Policies, and Regulations, Section E.2:  
The following has been added to the end of the Section E.2:  
  
The required certification can be in the form of a letter with supporting documentation (e.g., site diagram depicting site drainage and locations of storm drains). The certification should be signed by a responsible official in accordance with the signatory requirements specified in Attachment D, Section V.B.
14. Page F-20, Rationale For Effluent Limitations and Discharge Specifications, Section IV.B.2:  
The third paragraph of Section IV.B.2 (or second paragraph on page F-20) has been replaced by the following:  
  
**As described in Section II** of this Fact Sheet, SOCWA operates the SJCOO which receives treated effluent from the following municipal wastewater treatment plants; the SOCWA Jay B. Latham RTP, the SMWD Chiquita WRP, the MNWD 3A RP, and the City of San Clemente RP. In accordance with the definition contained in 40 CFR 122.2, each of these wastewater treatment plants are considered a POTW. Section 301(b)(1)(B) of the CWA and 40 CFR 125.3(a)(1) require all POTWs to achieve the secondary treatment standards contained in 40 CFR Part 133. Although monitoring the effluent from the contributing POTWs is required in the existing permit for the SJCOO, it does not require compliance with the secondary treatment standards by each jurisdiction and therefore does not provide the ability to enforce against any of the contributing POTWs for not achieving secondary treatment standards as required under the CWA and implementing NPDES permit regulations.

In circumstances such as the SJCOO where other wastewaters are combined prior to discharge, the application of secondary treatment standards to each contributing POTW prevents poorly performing facilities from circumventing technology-based secondary

treatment standards through dilution. Based on review of the data provided in the SOCWA permit renewal application, the relatively high reported maximum CBOD and BOD values for each of the contributing jurisdictions would indicate the potential for possible exceedances of the weekly average limitations specified in the secondary treatment standards.

In regards to application of the secondary treatment standards, the USEPA *NPDES Permit Writers' Manual* (EPA-833-B-96-003) states:

"To ensure compliance with secondary treatment standards (for POTWs only) - Certain POTWs include treatment processes that are ancillary to the secondary treatment process that may impact their ability to monitor for compliance with secondary treatment standards. Under these circumstances, the permit writer may consider requiring monitoring for compliance with secondary treatment standards just after the secondary treatment process (e.g., require monitoring of effluent just after secondary clarification) before any additional treatment processes."

Therefore, independently applying the secondary treatment standards to the SOCWA Jay B. Latham RTP, the SMWD Chiquita WRP, the MNWD 3A RP, and the City of San Clemente RP in the permit is consistent with USEPA interpretation of 40 CFR Part 133 as it applies to secondary treatment plant effluent being combined with other wastewaters and sharing common outfalls. The independent application of the secondary treatment standards in the permit is also consistent with other similar permits issued by the Regional Water Board, including for example, Addendum No. 3 to Order No. 2001-08 for the SOCWA Aliso Creek Ocean Outfall; Order No. R9-2005-0136 for the City Of Oceanside San Luis Rey and La Salina Wastewater Treatment Plants; and Order No. R9-2005-0219 for the Encina Water Pollution Control Facility, Vallecitos Water District's Meadowlark Water Reclamation Plant and the Buena Sanitation District's Shadowridge Water Reclamation Plant.

Applying the secondary treatment standards to the SOCWA Jay B. Latham RTP, the SMWD Chiquita WRP, the MNWD 3A RP, and the City of San Clemente WRP is a new requirement not applied to these facilities in previous orders. In developing this requirement, the Regional Board considered other approaches for satisfying the secondary treatment requirements, including self-enforcement by SOCWA, continued application of the requirements at the outfall only, and the issuance of individual NPDES permits to each POTW. Independently applying the secondary treatment standards to the facilities was selected because this approach satisfies applicable law and regulations and provides increased accountability while conserving Regional Board and permittee resources.

15. Page F-46, Receiving Water Monitoring Section D.3:  
The last sentence in Section D.3 has been modified as follows:

In addition, intensive monitoring requirements, which are required from July 1, 2008 through June 30, 2009 or at the request of the Executive Officer at the offshore stations, have been included for temperature, salinity, and depth at 1-meter intervals; dissolved oxygen, ~~salinity~~, and pH-light transmittance in surface, mid-depth, and bottom samples; and pH at the surface on a year-round, monthly basis to provide adequate data for evaluating initial dilution.

Typographical Errors:

- 16. Typographical error, Multiple pages - To keep the Order uniform, all the units “mg/l” have been changed to “mg/L”.
- 17. Typographical error, Multiple pages - To keep the Order uniform, all the units “ml/l” and mL/L have been changed to “ml/L”.
- 18. Typographical error, Page 1, Third line, deleted duplicate “**ORDER NO. R9-2006-0054**”
- 19. Typographical error, Page 33, Instantaneous Maximum Effluent Limitation, Section E, the last sentence was modified as follows:

The IEV shall be used for determination of compliance with the Instantaneous ~~Minimum~~ Maximum Effluent Limitation for a given parameter for each grab sample.

- 20. Typographical error, Page 33, Mass Emission Rate, Section G, the last sentence was modified as follows:

When applicable, ~~The the~~ mass emission rate (MER), in pounds per day, shall be obtained from the following calculation for any calendar day:

- 21. Typographical error, Page E-1, Table of Contents, third line has been modified as follows:

A. Monitoring Locations ~~M-001A, M-001B, M-001C, and M-001D~~ M-INFA, M-INFB, M-INFC, and M-INFD

- 22. Typographical error, multiple pages:

Spelling error: Dohenny State Beach Park has been changed to Doheny State Beach Park.

- 23. Typographical error, Page E-7, Table 3, has the following changes:

**Table 3. Municipal Wastewater Treatment Plant Effluent Monitoring**

Parameter	Units	Sample Type <sup>1</sup>	Minimum Sampling Frequency
Flow <sup>2</sup>	MGD	Recorder / Totalizer	Continuous
CBOD <sub>5</sub>	mg/L	24 Hr Composite	Daily <sup>3</sup>
BOD <sub>5</sub>	mg/L	24 Hr Composite	Monthly
TSS	mg/L	24 Hr Composite	Daily <sup>3</sup>
pH	<del>mg/L</del> pH units	Grab	Daily <sup>3</sup>
Oil and Grease	mg/L	Grab	Monthly
Settleable Solids	ml/L	Grab	Daily <sup>3</sup>
Turbidity	NTU	24 Hr Composite	Weekly <sup>3</sup>
CBOD <sub>5</sub> , Percent Removal	%	Calculate	Daily <sup>3</sup>
TSS, Percent Removal	%	Calculate	Daily <sup>3</sup>

<sup>1</sup> For samples which are to be physically composited prior to analyses, or for the results of analyses that are to be arithmetically composited, the basis for compositing shall be the rate of discharge to the ocean, not the rate of inflow to the plant.

<sup>2</sup> Report the total daily effluent flow and the monthly average effluent flow.

<sup>3</sup> Five days per week except seven days per week for at least one week during July or August of each year.

24. Typographical Error, Page E-8, Effluent Monitoring Requirements, Section IV.A.3, first sentence has been modified as follows:

The Discharger shall calculate the daily percent ~~average~~-removal and report the monthly average percent removal for CBOD<sub>5</sub>, BOD<sub>5</sub> and TSS in accordance with Provision VII.H of Order No. R9-2006-0054.

25. Typographical Error, Page E-11, Table 6 has been modified as follows:

**Table 6. Treated Nuisance Discharge Effluent Monitoring**

Parameter	Units	Sample Type	Minimum Sampling Frequency
Flow <sup>1</sup>	MGD	Recorder / Totalizer	Continuous
TSS	mg/L	24 Hr Composite	Weekly
pH	<del>mg/L-pH</del> Units	Grab	Weekly
Oil and Grease	mg/L	Grab	Weekly
Settleable Solids	ml/L	Grab	Weekly

<sup>1</sup> Report the total daily effluent flow and the monthly average effluent flow.

26. Typographical Error, Page E-18, Receiving Water Monitoring Requirement, Section VI.D.2, first sentence has been modified as follows:

Samples shall be collected with a ~~Paterson-Peterson~~, Smith-McIntyre, or orange-peel type dredge, having an open sampling area of not less than 124 square inches and a sediment capacity of not less than 210 cubic inches.

27. Typographical Error, Page E-46, Rational For Monitoring and Reporting Requirement, Section VI.E.1.b, first sentence has been modified as follows:

Samples shall be collected with a ~~Paterson-Peterson~~, Smith-McIntyre, or orange-peel type dredge, having an open sampling area of not less than 124 square inches and a sediment capacity of not less than 210 cubic inches.

28. Typographical Error, Page F-13, second paragraph has been modified as follows:

On February 28, 2006, a CEI was performed at the ~~MNWS MNWD~~ 3A RP to determine compliance with NPDES permit conditions.